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Sub	Substitute for form 1449/PTO			Complete if Known		
				Application Number	10/589,379 Conf. #7039	
l IN	NFORMATION	1 DI	SCLOSURE	Filing Date	August 14, 2006	
l s	TATEMENT B	3Y /	APPLICANT	First Named Inventor	Daniel J. Arriola	
				Art Unit	1796	
	(Use as many sheets as necessary)			Examiner Name	Choi, Ling Siu	
Sheet	1	of	8	Attorney Docket Number	63558C	

			U.S. PA	TENT DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA*	US-5,391,629	02-21-1995	Turner et al.	riguies Appeal
	AB*	US-6,566,446	05-20-2003	Parikh et al.	
	AC*	US-3,873,642-A	03-25-1975	Jezl	
	AD*	US-5,468,810-A	11-21-1995	Hayakawa et al.	
	AE*	US-5,594,080-A	01-14-1997	Waymouth et al.	
	AF*	US-5,610,253-A	03-11-1997	Hatke et al.	
	AG*	US-5,733,980-A	03-31-1998	Cozewith et al.	
	AH*	US-5,798,420-A	08-25-1998	Cozewith et al.	
	AI*	US-5,969,070-A	10-19-1999	Waymouth et al.	
	AJ*	US-6,114,457-A	09-05-2000	Markel et al.	
	AK*	US-6,147,180-A	11-14-2000	Markel et al.	
	AL*	US-6,262,203-B1	07-17-2001	Chien et al.	
	AM*	US-6,566,544-B1	05-20-2003	Waymouth et al.	
	AN*	US-20040121922	06-24-2004	Okada et al.	
	AO*	US-20030027954	02-06-2003	Becke et al.	
	AP*	US-20040092662	05-13-2004	Goto et al.	
	AQ*	US-6,187,424	02-13-2001	Kjellqvist et al.	
	AR*	US-6,197,404	03-06-2001	Varona	
	AS*	US-6,362,252	03-26-2002	Prutkin	

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Examiner	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines,				
Initials*	No.1	Country Code ³ -Number ⁴ -Kind Code ⁵ (# known)	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages Or Relevant Figures Appear				
	BA	WO-95/27746-A1	10-19-1995	Exxon Chemical Patents Inc		$ \overline{V} $			
	BB	WO-95/27745-A1	10-19-1995	Exxon Chemical Patents Inc					
	BC	WO-9834970-A1	08-13-1998	Exxon Chemical Patents Inc					
	BD	WO-9935171-A1	07-15-1999	Univ Leland Stanford Junior et al.					
	BE	WO-0037514-A1	06-29-2000	Exxon Chemical Patents Inc					
	BF	WO-02/066540-A2	08-29-2002	Basell Poliolefine Spa et al.					

Examiner	Date	
Signature	Considered	

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I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted via the Office electronic filing system in accordance with § 1.6(a)(4).

Dated: November 18, 2009

Electronic Signature for Jennifer Adamson: /Jennifer Adamson/

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- IN	IFORMATION	1 DI	SCLOSURE	Filing Date	August 14, 2006	
STATEMENT BY APPLICANT				First Named Inventor	Daniel J. Arriola	
				Art Unit	1796	
	(Use as many sheets as necessary)			Examiner Name	Choi, Ling Siu	
Sheet	2	of	8	Attorney Docket Number	63558C	

	U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
	AT*	US-6,537,472	03-25-2003	Masubuchi			
	AU*	US-6,815,023	11-09-2004	Tatarka et al.			
	AV*	US-7,005,395	02-28-2006	Zafiroglu et al.			
	AW*	US-20030195128	10-16-2003	Deckman et al.			
	AX*	US-20030216518	11-20-2003	Tau et al.			
	AY*	US-20040082750	04-29-2004	Tau et al.			
	AZ*	US-20040192147	09-30-2004	Smith et al.			
	AA1*	US-20050009993	01-13-2005	Morioka et al.			
	AB1*	US-20060030667	02-09-2006	Yalvac et al.			
	AC1*	US-20040158011	08-12-2004	Jain et al.			
	AD1*	US-20080299857	12-04-2008	Harding et al.			
	AE1*	US-5,624,991	04-29-1997	Harada et al.			
	AF1*	US-6,160,029	12-12-2000	Chaudhary et al.			
	AG1*	US-6,455,638	09-24-2002	Laughner et al.			
	AH1*	US-2,973,344	02-28-1961	-			
	Al1*	US-4,146,492	03-27-1979	Cusano et al.			
	AJ1*	US-4,299,931	11-10-1981	Coran et al.			
	AK1*	US-4,429,079	01-31-1984	Shibata et al.			
	AL1*	US-4,510,031	04-09-1985	Matsumura et al.			

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Examiner	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines,				
Initials*	No.1	Country Code ³ -Number ⁴ -Kind Code ⁵ (# known)	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages Or Relevant Figures Appear	T⁵			
	BG	WO-03014046-A1	02-20-2003	Bp Chem Int Ltd et al.					
	ВН	EP-0274906-A2	07-20-1988	Mitsubishi Petrochemical Co					
	ВІ	EP-0958313B1-A1	11-24-1999	Exxon Chemical Patents Inc					
	BJ	EP-1262498-A2	12-04-2002	Mitsui Chemicals Inc					
	вк	JP-2002-206007A-A	07-26-2002	Nat Inst Of Adv Ind & Technol et al.					
	BL	JP-2004-204058A-A	07-22-2004	Mitsui Chemicals Inc					

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				Art Unit	1796	
	(Use as many sheets as necessary)			Examiner Name	Choi, Ling Siu	
Sheet	sheet 3 of 8		Attorney Docket Number	63558C		

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	AM1*	US-4,780,228	10-25-1988	Gardiner et al.			
	AN1*	US-5,068,047	11-26-1991	Chung et al.			
	AO1*	US-5,266,626	11-30-1993	Hert et al.			
	AP1*	US-5,322,728	06-21-1994	Davey et al.			
	AQ1*	US-5,597,881	01-28-1997	Winter et al.			
	AR1*	US-5,783,531	07-21-1998	Andrew et al.			
	AS1*	US-5,916,953	06-29-1999	Jacoby et al.			
	AT1*	US-6,025,448	02-15-2000	Swindoll et al.			
	AU1*	US-6,096,668	08-01-2000	Abuto et al.			
	AV1*	US-6,121,402	09-19-2000	Machida et al.			
	AW1*	US-6,136,937	10-24-2000	Lai et al.			
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	AZ1*	US-2,997,432	08-22-1961				
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	AB2*	US-5,892,076	04-06-1999	Nickias			
	AC2*	US-5,994,255	11-30-1999	Nickias et al.			
	AD2*	US-6,323,284	11-27-2001	Peacock			
	AE2*	US-20030088037	05-08-2003	Stevens et al.			

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Initials*	No.1	Country Code ³ -Number ⁴ -Kind Code ⁵ (# known)	MM-DD-YYYY	Applicant of Cited Document	Or Relevant Figures Appear				
	ВМ	EP-1026184-A1	08-09-2000	Grand Polymer Co Ltd					
	BN	WO-05/090426-A1	09-29-2005	Dow Global Technologies Incet al.					
	ВО	EP-02079322-A1	07-22-2009	Symrise Gmbh & Co Kg					
	BP	EP-0877050-A2	11-11-1998	Dow Chemical Co					
	BQ	JP-2004204058-A	07-22-2004	Mitsui Chemicals Inc					
	BR	WO-2004046214-A2	06-03-2004	Exxonmobil Chem Patents Inc et al.					

Examiner	Date	
Signature	Considered	

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				Application Number	10/589,379 Conf. #7039	
l IN	VEORMATION	1 DI	SCLOSURE	Filing Date	August 14, 2006	
l s	TATEMENT B	3Y <i>i</i>	APPLICANT	First Named Inventor	Daniel J. Arriola	
				Art Unit	1796	
	(Use as many sh	eets a:	s necessary)	Examiner Name	Choi, Ling Siu	
Sheet	4	of	8	Attorney Docket Number	63558C	

	U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant		
midalo					Figures Appear		
	AF2*	US-20030195308	10-16-2003	Waymouth et al.			
	AG2*	US-6,380,341	04-30-2002	Waymouth et al.			
	AH2*	US-20020107341	08-08-2002	Murray et al.			
	Al2*	US-20020161141	10-31-2002	Mawson et al.			
	AJ2*	US-20040044154	03-04-2004	Kuo et al.			
	AK2*	US-20030153689	08-14-2003	Mehta et al.			
	AL2*	US-20030114623	06-19-2003	Mitani et al.			
	AM2*	US-6,169,151	01-02-2001	Waymouth et al.			
	AN2*	US-5,210,338	05-11-1993	Samsel			
	AO2*	US-5,276,220	01-04-1994	Samsel et al.			
	AP2*	US-6,444,867	09-03-2002	Samsel et al.			
	AQ2*	US-3,970,719	07-20-1976	Edmonds, Jr.			
	AR2*	US-4,039,632	08-02-1977	Edmonds, Jr.			
	AS2*	US-4,971,936	11-20-1990	Wilson et al.			
	AT2*	US-5,089,573	02-18-1992	Job			
	AU2*	US-5,118,767	06-02-1992	Job			
	AV2*	US-5,118,768	06-02-1992	Job et al.			
	AW2*	US-5,134,209	07-28-1992	Job et al.			
	AX2*	US-5,229,477	07-20-1993	Job et al.			

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Examiner	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines,			
Initials*	No.1	Country Code ³ -Number ⁴ -Kind Code ⁵ (# known)	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages Or Relevant Figures Appear	T _e		
	BS	WO-9849211-A1	11-05-1998	Dow Chemical Co et al.				
	вт	WO-03022890-A1	03-20-2003	Exxonmobil Chem Patents Inc et al.				
	BU	EP-1197500-A1	04-17-2002	Mitsui Chemicals Inc				
	BV	WO-9834970-A1	08-13-1998	Exxon Chemical Patents Inc				
	BW	EP-470171-A1	02-12-1992	Shell Oil Co				
	вх	EP-500530-A1	09-02-1992	Shell Oil Co				

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II.	NFORMATION	1 DI	SCLOSURE	Filing Date	August 14, 2006	
S	TATEMENT B	3Y /	APPLICANT	First Named Inventor	Daniel J. Arriola	
				Art Unit	1796	
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	AY2*	US-5,270,276	12-14-1993	Job				
	AZ2*	US-5,270,410	12-14-1993	Job				
	AA3*	US-5,294,581	03-15-1994	Job				
	AB3*	US-5,543,458	08-06-1996	Hoxmeier et al.				
	AC3*	US-5,550,194	08-27-1996	Hoxmeier et al.				
	AD3*	US-5,693,713	12-02-1997	Hoxmeier et al.				
	AE3*	US-2004/034179 A1	02-19-2004	Loveday Donald R Et Al				
	AF3*	US-2003/171513A1	09-11-2003	Mawson Simon Et AL				
	AG3*	US-2004044154	04-03-2004					
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Initials*	No.1	Country Code ³ -Number ⁴ -Kind Code ⁵ (# known)	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages Or Relevant Figures Appear	T _e		
	BY	WO-90/12816-A1	11-01-1990	Shell Oil Co				
	BZ	WO-91/00875-A1	01-24-1991	Shell Oil Co				
	BA2	EP-0763553A	03-19-1997	Mitsui Petrochemicals				

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11	NFORMATION	1 DI	SCLOSURE	Filing Date	August 14, 2006	
l s	STATEMENT B	3Y /	APPLICANT	First Named Inventor	Daniel J. Arriola	
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		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	CA	LIEBER SuSANNA ET AL: "Propene polymeriztion with catalyst mixtures containing different ansa-zirconocenes:chain transfer to alkylaluminum cocatalystes and formation of steroblock polymers" MACROMOLECUES; MACROMOLECULES Dec 2000 ACS, Washington. DC. USA, vol 33, no. 25, December 2000 (2000-12), Pages 9192 - 9199	
	СВ	PRZYBYLA. FINK: "Two Different on the same silica supported metallocene catalystes, activated by various trialkylaluminums" ACTA POLYMERICA, vol. 50, 21 April 1999 (1999-04-21), pages73-83.	
	СС	CHIEN JAMES C W ET AL: "Homogeneous binary zirconocenium catalystst for propylene ploymeriation. II. Mixtures of isospecific and syndiospecific zirconocene systems" J POLYM SCI PART A; PLOYMER CHEMISTRY 1999 JOHN WILEY & SONS INC. NEW YORK, NY USA. vol 37, np.17,1999. pages 2439 -2445	
	CD	TANIM B S ET AL: "Blends of single-site linear and branched polyethylene. I. Thermal characterisation" POLYMER, ELESVIER SCIENCE PUBLISHERS B.V., GB. vol 42, no 12, June 2001 (2001-06), pages 5389 - 52399	
	CE	STARCK P ET AL "Thermal properites of ethylene/long chain alpha olefin copolymers produced by metallocences" JANUARY 2002 (2002-01), EUROPEAN POLYMERS JOURNAL, PERAMON PRESS, LONDON, GB, pages 97 - 107	
	CF	YOON J-S ET AL: "Thermal and mechanical properties of ethylene/alpha-olefin copolymers produced over (2-MeInd) 2ZrC12/MAO system" June 2000 (2000-06, POLYMER ELSEVIER SCIENCE PUBLISHERS B.V. GB. pages 4523 4530.	
	CG	BRUASETH I ET AL: "Crystallization analysis fractionation of ethene/1-hexene coployres madee with the MAO-activated dual -site (1,2,4- Me3Cp" October 2004 (2004-10), POLYMER, ELESEVIER SCIENCE PUBLISHERS B.V. GB. pages 7853 - 7861.	
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	CI	ROSTHAUSER J W ET AL: "MECHANICAL AND DYNAMIC MECHANICAL PROPERTIES OF POLYURETHANE AND POLYURETHANE/POLYUREA ELASTOMERS BASED ON 4, 4-DIISOCYANATODICYCLOHEXYL METHANE" 2 May 1997 (1997-05-02) JOURNAL OF APPLIED POLYMER SCIENCE, JOHN WILEY AND SONS INC. NEW YORK, NY, US. pages 957 -970	
	CJ	BASAK SHAM: " Zurcon Z20/Z22" 10 August 2002 (2002-08-10), BUSAK SHAMM BAN , CRISSER, the whole document	

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	ск	Coates, Hustad, and Reinartz in Angew, Chem. Int. Ed. 41, 2236-2257 (2002);			
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				Application Number	10/589,379 Conf. #7039		
11	VEORMATION	1 DI	SCLOSURE	Filing Date	August 14, 2006		
l s	TATEMENT E	3Y /	APPLICANT	First Named Inventor	Daniel J. Arriola		
				Art Unit	1796		
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	CU	JAC, 2004, 126, 10701 - 10712, Gibson et al					
	CV	63558C EPO Prosecution					
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